Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-18. (Cancelled)

- 19. (Original) A rechargeable robotic device, comprising:
 - a body;
 - a processor attached to said body;
 - a propulsion device attached to said body to providing self-propulsion;
- a communications device attached to said body and connected to said processor to provide twoway communications with a charging station;
 - a battery connected to said processor, said propulsion device, and said communications device;
- a connector for charging said battery, said connector being configured in such a manner that said robotic device can self-position for charging;

wherein said processor is connected to negotiate with a charging station, using a given protocol, to schedule a time slot for charging of said battery.

- 20. (Original) The rechargeable robotic device of Claim 19, wherein said protocol comprises:
 - determining that the charge of said battery has dropped below a given level;
 - establishing a communications link with a charging station;
 - requesting a time slot for charging;
 - receiving a suggested time slot for charging;
- verifying that said suggested time slot is acceptable and storing said suggested time slot in memory; and
 - reporting for charging at said time slot.
- 21. (Original) A method of recharging robotic devices, said method comprising the steps of:
 - querying a robotic device whether it has reached a given level of depletion;
- if the robotic device has reached said given level of depletion, negotiating with said robotic
- device using a protocol to determine a time slot for charging said robotic device; and
 - providing charging for said robotic device during said time slot.

- 22. (Original) The method of Claim 21, further comprising the steps of: providing said robotic device with new tasks or updated programming during said time slot.
- 23. (Original) The method of Claim 21, wherein the step of using said protocol comprises the steps of:

offering a next available time slot at which said robotic device can report to said charging station for charging; and

if said robotic device provides a confirmation of said time slot, scheduling said robotic device for said time slot, else

incrementing said available time slot and returning to said offering step.

- 24. (Original) The method of Claim 21, wherein said charging station maintains separate schedules for each of a plurality of connectors.
- 25. (Original) The method of Claim 21, wherein said plurality of connectors are different and said protocol includes determining a connector of said plurality of connectors that said robotic device can utilize for charging.
- 26. (Original) A method of recharging a robotic device, said method comprising the steps of: determining that an onboard battery has reached a given level of depletion; contacting an associated charging station; requesting charging; receiving and storing a time slot for charging; and reporting for charging during said time slot.
- 27. (Original) The method of Claim 26, further comprising the steps of: receiving new tasks or updated programming during said time slot.
- 28. (Original) The method of Claim 26, further comprising notifying said charging station of a need for a specific connector needed for charging.
- 29-31. (Cancelled)

32. (Original) A computer program product embodied on a computer readable medium and comprising:

first instructions for detecting when a robotic device has reached a given level of depletion; second instructions for establishing a communications link between said robotic device and a charging station;

third instructions for using a protocol to determine a time slot for charging said robotic device; and

fourth instructions for charging said robotic device during said time slot;
wherein said instructions are embodied to be performed solely by said robotic device and said charging station.

- 33. (Original) The computer program product of Claim 32, further comprising: fifth instructions for providing said robotic device with new tasks or updated programming during said time slot.
- 34. (Original) The computer program product of Claim 32, wherein said third instructions comprise: sixth instruction in said nesting station, for providing, in response to a request, a first available time at which said robotic device can report to said nesting station for charging; and seventh instruction in said robotic device for providing either a confirmation of said time slot or a request for a different time slot.
- 35. (Original) The computer program product of Claim 32, wherein said nesting station comprises fifth instructions for maintaining separate schedules for each of a plurality of connectors.